

REMARKS/ARGUMENTS

Claims 6-14 are pending in the application. By this amendment, claims 6, 13 and 14 are being amended to improve their form. No new matter is involved.

At the top of page 2 of the Final Office Action, the specification is objected to for failing to provide proper antecedent basis for the claimed subject matter. More specifically, it is stated that the recitation "a control circuit generating a boosted voltage" in claims 6, 8 and 10 lacks antecedent basis in the specification. The recitation "a control circuit generating a boosted voltage" is erroneous, and Applicants are deleting it from the claims. In this connection, claim 6 is being amended by deleting "generating a boosted voltage, wherein the control circuit controls" so that it simply recites "a control circuit controlling switching of". Consequently, claim 6 as amended has proper antecedent basis in the specification. Claims 8 and 10 do not recite "a control circuit generating a boosted voltage" so that no amendment thereof is needed.

Beginning at the middle of page 2 of the Office Action, claims 6-14 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. Regarding claim 6, the recitation of the power supply clock being provided to the first and second switches is not inconsistent with the recitation at lines 11 and 12 inasmuch as lines 11 and 12 have been amended to recite "a control circuit controlling switching of". Furthermore, amendment of the recitation "control circuit generating a boosted voltage" is now consistent with the disclosure.

Regarding claims 7, 9 and 10, each of these claims was previously amended to change the recitation "said circuit" to "said charge pump type power supply circuit". In each case, there is a previous recitation of the charge pump type power supply

circuit, either in the preamble or in a prior part of the claim, so that there is antecedent basis for such recitation.

In the case of claim 12, such claim depends from claim 10 which defines a display device as having a charge pump type power supply circuit. The recitation in claim 12 "wherein said display device includes at least two charge pump type power supply circuits" is intended to state that there is at least a second charge pump type power supply circuit in addition to the firstly recited charge pump type power supply circuit. Applicants could amend the second line of claim 12 to recite that the display device "includes at least a second charge pump type power supply circuit", but believes that the claim is clear as presently worded. With respect to the recitation "an input voltage" in claim 13, this recitation is being amended to recite "an input voltage thereto" in order to distinguish it from the previously recited "the input voltage".

Claim 14 is being amended to improve the form thereof. As so amended, the claim now recites "means for generating two boosted voltages" so as to avoid ambiguity as to how two boosted voltages are generated. Similar comments apply to the amended language "means for generating two power supply clocks" in claim 14.

As amended and/or explained above, all of the claims are now submitted to be clear and definite.

At the top of page 4 of the Office Action, claims 6, 13 and 14 are rejected under 35 U.S.C. § 103(b) as being unpatentable over U.S. Patent 5,859,632 of Ito. On the same page, claims 7-12 are rejected under 35 U.S.C. § 103(b) as being unpatentable over U.S. Patent 5,859,632 of Ito in view of U.S. Patent 5,847,702 of Jung. These rejections are respectfully traversed.

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Amdt. Dated June 9, 2004
Reply to Office Action of March 10, 2004

Attorney Docket No. 81784.0233
Customer No.: 26021

The Ito reference does not show or suggest the boosting of a voltage. More particularly, Ito differs from the present invention in terms of an element switched by a switch, in each case. In Ito, a boost of voltage is not generated unless a power source is connected to a first terminal of a capacitor and is then connected to a second terminal of the capacitor. It is therefore clear that the switch being claimed in accordance with the present invention is not disclosed or suggested by Ito. Such switching feature in accordance with the invention is clearly set forth in the claims, so that such claims are submitted to clearly distinguish patentably over the reference. The addition of the Jung reference in rejecting claims 7-12 does not cure the basic deficiency of Ito with respect to the present invention.

Applicants are enclosing an Information Disclosure Statement (IDS) in order to make of record a notice of grounds for rejection which issued in connection with a corresponding Korean application, together with an English translation thereof and English language applications corresponding to the cited references. An RCE is being filed so that the references may be considered and made of record.

In conclusion, claims 6-14 are submitted to clearly distinguish patentably over the prior art for the reasons discussed above.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at the Los Angeles, California telephone number (213) 337-6846 to discuss the steps necessary for placing the application in condition for allowance.

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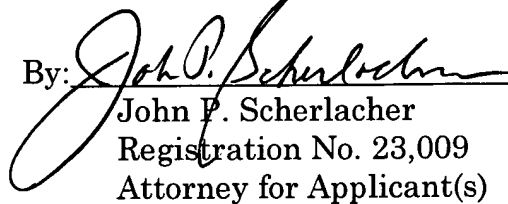
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If there are any fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-1314.

Respectfully submitted,
HOGAN & HARTSON L.L.P.

Date: June 9, 2004

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